Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

(For Other Works)

DBR No
DATED Date:

No. **FIRST & Final Bil**

Division: **Project** Sub-Division: **Project**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated…….
Sub Divisional **Work Code: 011-19-000088**
Schedule Docket No. Head of Account:**P3293** Est.Cost:50.00 lacs D.R.No. :

Name of Work (as per sanctioned estimate): Providing drinking Water Sinking of borewell and pipe line in Ward No -11 Kuvempunagara.

Name of Contractor and Full Address : **Sri.K. Gopi Reddy , Bangalore**
Reference to Agreement No.: EE/Project/Ag. No/ 97/ 18-19 Date: 06-03-2019

Certified that the measurements were taken by ~~me~~ on 30.08.2019 and recorded of Pages 220/10 to 220/18 of measurement Book No. 09/18-19 and that the work is satisfactorily executed.

Officer-in-charge of work

Contractor :

Certified that the measurement were taken by me on 30.8.19 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer
Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Total BA Rs 4,40,216.67
2)	Deduct amount to be held in reserve being ……percent Rs……	1% IT 4,402.00
3)	" Balance	1% CESS 4,402.00
4)	Deduct Payment:	0.1% CBF 440.00
a)	Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…… Amount adjusted towards cash advance recovery of	LR 1018.00
b)	Payments Now made: cost store or other material supplied. recovery of amount creditable to this/other work. Amount paid on this bill Cheque / Cash.	CUST 62,528.00
5)	Balance being unpaid value of work done held in reserve.	SCST 62,528.00
6)	Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	Adjst 187,682.00
7)	Net amount due to or from Contractor unadjustments items.	Cheque Amt 42,14,479.67
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For Accounts Office)

Witness
1.
2.

Stamp

Dated Signature of Contractor
Paid by me by Cheque No……Dated……
Cash Rs……..
Dated……
Initials of Officer making payment

Audited & Admitted for Rs. 44,02,161/-
Rs. 42,14,479/- by Cheque
and Rs. 1,87,682/- by Adjustment

Executive Engineer

Accts. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P

Item no	Description of work	Unit	BOQ Qnty
1	Geophysical Investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand Pump, MWS or P.W.S.S. by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metere in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrment and accessories to work site, engaging technical personal and labour required etc.	Each BW	5.00
2	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,) 0 to 50.00 mtrs	Rmtr	250.00
3	50.00 to 100.00 mtrs	Rmtr	250.00
4	100.00 to 150.00 mtrs	Rmtr	250.00
5	150.00 to 200.00 mtrs	Rmtr	232.00
6	200.00 to 250.00 mtrs	Rmtr	170.00
7	250.00 to 300.00 mtrs	Rmtr	77.00
8	Providing and fixing to wall, ceiling and floor,mediumdensity polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter 160mm with special flange, compression type fittings, wall clips,making good the wall, ceiling and floor including cost of all materials, labourcharges, HOM and testing completeasperspecifications. for internal water supply connection	Rmtr	0.00
9	Supply of ISI Mark 175 mm nominal Bore, Plain end Steel casing Pipe - grade of Steel Fe 410 of wall thicjkness 5.4 mm thick confirming yo IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basis open herth electric or basis oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably 25.10kg/mtr. (Inclusive of all taxes and durties). Prices included Collar-medium duty (Material Component	Rmtr	222.00
10	Supplying PVC Pipes 10kg/sqm 250mmdia PVC (casing pipe)	Rmtr	90.00
11	Providing 175mm dia Bore Cap & Clamp Set	Set	5.00
12	Providing 175mm dia M.S Collar	Each	42.00
13	Supply and delivery at sire brand new submersible PUMPSET suitable for borewell of 150mm dia and having declared duty conditions as detailed below and satisfying performance characteristic for pump and motor as declared by Bureau of Indian Standards. The pump should confirm to IS:8034-1976 (with all its latest amendments) and should bear the ISI certification mart IS 8034-1976. The pumpset should consist of bronze impellers. Discharge: 7500 lph, Head: 102.88 mts, 15.00 HP30 Stage Atalanta, Suguna, CRI KIRLOSKAR and other equipment pump 15.00 HP / 11 KW (30 stages)	Set	5.00
14	Submersible Cables: Supply and delevery brand New best make PVC insulated cable of flat 3 core (Sheathed) of nominal cross sectional area to IS: 694-1977 with latest amendments and ISI mark 1x3x6.00 Sq mm	Rmtr	2082.00
15	Supply and delivery of Brand New gate Valve of 50mm dia size confirming to IS: 778-1984 with latest amendments with ISI mark	Each	5.00
16	Supply and delivery of Brand New best make non return valve of 50mm dia size confirming to IS: 10805-1986 with latest amendments with ISI mark	Each	5.00
17	Supply, Installation testing and commissioning of approved make heavytubes (Class 'C') confirming to as per IS1239 Part - I (25mm Nominalbore 4.05mm thick @ 2.97 Kg/m, 32mm Nominal bore 4.05mm thick@ 3.84 Kg/m,40mm Nominal bore 4.05mm thick @ 4.43 Kg/m,50mmNominal bore 4.47mm thick @ 6.17 Kg/m, 65mm Nominal bore 4.47mmthick @ 7.90 Kg/m, 80mm Nominal bore 4.85mm thick @ 10.10 Kg/m,100mm Nominal bore5.40mm thick @ 14.40 Kg/m,150mm Nominal bore5.40mm thick @ 21.20 Kg/m, Such as Tees elbows check nuts unions,Flanger, Nipples etc. including cutting welding, Trending fixing on walls,ceiling (Using 41-Tech pipe/M.S.angle supports work includes two coatsof metal primer and two coats of Red enamel paint etc.including cost ofmaterials, labour, HOM complete as per specifications.	Rmtr	1041.00

Previous		Present			Total up to date	
Qnty	Amount	Qnty	Rate	Amount	Qnty	Amount
		5.00	1882.00	9410.00	5.00	9410.00
		250.00	306.00	76500.00	250.00	76500.00
		250.00	400.00	100000.00	250.00	100000.00
		250.00	445.00	111250.00	250.00	111250.00
		232.00	470.00	109040.00	232.00	109040.00
		170.00	544.00	92480.00	170.00	92480.00
		77.00	583.00	44891.00	77.00	44891.00
		0.00	677.16	0.00	0.00	0.00
		222.00	1325.00	294150.00	222.00	294150.00
		90.00	2203.39	198305.10	90.00	198305.10
		5.00	1800.00	9000.00	5.00	9000.00
		42.00	150.00	6300.00	42.00	6300.00
		5.00	63498.00	317490.00	5.00	317490.00
		2082.00	144.00	299808.00	2082.00	299808.00
		5.00	1800.00	9000.00	5.00	9000.00
		5.00	1800.00	9000.00	5.00	9000.00
		1041.00	1072.44	1116410.04	1041.00	1116410.04

Item no	Description of work	Unit	BOQ
18	Meter and Panel Board: Supply and delivery of meter and panel board unit one number of MS box of size 300 x 120mm size fabricated out of 2mm thick sheet metal with sealable door arrangement for mounting the CTS(if any) cutouts 3 phase dia 4 wire energy meter and cable box complete. A transparent glass piece should be provided where the energy meter reading could be read. One number of cubicle b. Panel Board (15HP) type of control panel board to operate on 50c/400/400v	Each	
19	Commissioning of work of pumpset including aligning and balancing with all necessary erection of material and labour including supply and erection of two pair of supporting clamps. One borewell cap, cable clips and water tight gland cable protectors, bolts nuts, valves and gauges etc., all job including fixing sluice valve, non return valve etc., and connecting deliver side of pumpset to rising main etc., complete	Each	
20	Supplying & Fixing 50mm G.I. Union	Nos	
21	Supplying & Fixing 50mm Elbow	Nos	
22	Supplying & Fixing 50mm G I Nipple	Nos	
23	Supplying & Fixing 50mm Collar	Nos	
24	Fabricating supplying and mounting MS box made out... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.	Sq.cms	
25	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.(32.9a)	Mtr	
26	Supplying of TPST with rewirableporcelain channels in SM enclosure.	Each	
27	Supply and fixing polished wood board made of not less than 15mmthick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.	Each	
28	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.	Each	
29	Supplying fully automatic star-delta starter unit push buttontypewith suitablewires,3contactors,oneadjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.	Each	
30	Supplying and fixing single phase preve_nterusing necessary wires over an existing panel board suitable for motor up to 20 HP capacities.	Each	
31	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Coppers with low conductorresistance single core cable in open or concealed system of wiring with specified IS 694: 1990 & confirmining to GTP of GROUP-A	Mtr	
32	Supplying,fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade, for power factor improvement of rotating machinery.Cost per KVAR	KVAR	
33	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF,energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898	Each	
34	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No	
35	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.	Mtr	
36	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.	Mtr	
37	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.	Mtr	
38	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.	Mtr	

Previous		Present			Total up to date	
Qnty	Amount	Qnty	Rate	Amount	Qnty	Amount
		5.00	15500.00	77500.00	5.00	77500.00
		5.00	4500.00	22500.00	5.00	22500.00
		5.00	223.70	1118.50	5.00	1118.50
		15.00	111.80	1677.00	15.00	1677.00
		15.00	104.30	1564.50	15.00	1564.50
		15.00	103.00	1545.00	15.00	1545.00
		100000.00	0.37	37000.00	100000.00	37000.00
		30.00	338.00	10140.00	30.00	10140.00
		5.00	1868.00	9340.00	5.00	9340.00
		5.00	302.00	1510.00	5.00	1510.00
		5.00	442.00	2210.00	5.00	2210.00
		5.00	8273.00	41365.00	5.00	41365.00
		5.00	768.00	3840.00	5.00	3840.00
		100.00	42.10	4210.00	100.00	4210.00
		20.00	414.00	8280.00	20.00	8280.00
		5.00	1936.00	9680.00	5.00	9680.00
		5.00	2727.00	13635.00	5.00	13635.00
		30.00	345.00	10350.00	30.00	10350.00
		100.00	140.40	14040.00	100.00	14040.00
		100.00	10.80	1080.00	100.00	1080.00
		100.00	106.00	10600.00	100.00	10600.00

Item no	Description of work	Unit	BOQ Qnty
39	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.	Each	
40	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.	Each	
41	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the cement concrete road..	Cum	
42	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	
43	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 50mm nominal OD pipes	Mtr	
44	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 20mm nominal OD pipes	Mtr	
45	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	
46	Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50mm dia nominal bore with fittings (medium grade weight 5.24kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	Mtr	
47	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. including cost of all labour complete as per specifications.	Cum	
48	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	
49	Providing and fixing in position 65mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Nos	
	Total		
	12% GST On SR Items (Item no 41 to 49)=12,44,876.00		

Certificate

1.The Work executed by the contractor is found satisfactory

2. The contractor hasremoved the debris from the work spot

3. Thereare no departmental issues for this work

Previous		Present			Total up to date	
Qnty	Amount	Qnty	Rate	Amount	Qnty	Amount
		5.00	280.00	1400.00	5.00	1400.00
		30.00	234.00	7020.00	30.00	7020.00
		116.10	727.16	84423.28	116.10	84423.28
		396.18	475.94	188557.91	396.18	188557.91
		1100.50	492.90	542436.45	1100.50	542436.45
			166.42	0.00	0.00	0.00
			183.38	0.00	0.00	0.00
			542.72	0.00	0.00	0.00
		396.18	80.56	31916.26	396.18	31916.26
		69.17	5747.32	397542.12	69.17	397542.12
		0.00	1831.68	0.00	0.00	0.00
				4339515.16		4339515.16
				149385.12		149385.12
			TOTAL	4488900.28		4488900.28

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore